

Pachypodol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pachypodol

Catalog No.: CFN98433

Cas No.: 33708-72-4

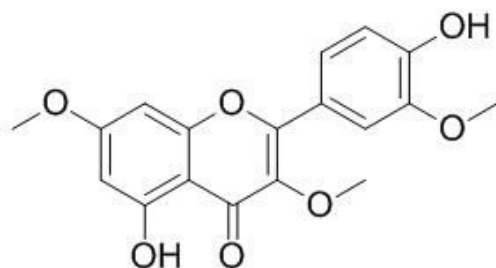
Purity: > 98%

M.F: C₁₈H₁₆O₇

M.W: 344.3

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-2-(4-hydroxy-3-methoxyphenyl)-3,7-dimethoxy-1-benzopyran-4-one.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The leaves of *Calycopteris floribunda* Lam.

[Biological Activity or Inhibitors]

Pachypodol, a Flavonol from the Leaves of *Calycopteris floribunda*, has cytotoxic potential, can inhibit the growth of CaCo 2 colon cancer cell line in vitro.^[1]

Pachypodol has antibacterial and antifungal activities against *Bacillus subtilis*, *Staphylococcus aureus*, *Staphylococcus faecalis*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Candida albicans*, *Candida krusei* and *Candida glabrata*.^[2]

Pachypodol exhibits anti-emetic effects.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-1%Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 230 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Ali H, Chowdhury A, Rahman A, *et al. Phytother. Res.*, 2008, 22(12):1684-7.

[2] G. S. Çitoğlu, B. Sever, S. Antus, *et al. Pharm. Biol.*, 2003, 41(7):483-6.

[3] Yang Y, Kinoshita K, Koyama K, *et al. Phytomedicine International Journal of Phytotherapy & Phytopharmacology*, 1999, 6(2):89-93.

[4] Yang S J, Ling Y U, Kang G J, *et al. Chinese Traditional Patent Medicine*, 2014, 36(3):580-5.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com